

Claims

1. A plate-shaped shearing knife for shearing off allotments of liquid glass, said knife being comprised of hard metal and having a roughly V-shaped or circular-shaped cutting region, said cutting region having a wedge-shaped cross section, said hard metal having a thermal conductivity of at least about 85 W/m[°]K, said shearing knife having on both sides of said cutting region, edge regions which are not wedge-shaped, each edge region having an average width in the range of 5% to 30% of the total width of said shearing knife.

2. A plate-shaped shearing knife according to Claim 1, wherein said thermal conductivity of said hard metal is in a range between 90-100 W/m[°]K.

3. A plate-shaped shearing knife according to Claim 1 wherein the average grain size of the hard metal is at least 2 μm.

4. A plate-shaped shearing knife according to Claim 1 wherein said hard metal is comprised of 91 wt% of tungsten carbide and 9 wt% of cobalt.

5. A plate-shaped shearing knife according to Claim 1 further having a surface outside of a glass contact region adapted to be directed toward a glass reservoir, said surface having a coating of poor thermal conductivity, said knife further having an opposing surface outside of the glass contact region having a coating with good thermal conductivity.

6. A plate-shaped shearing knife according to Claim 5, wherein the coating with poor thermal conductivity is comprised of aluminum oxide and the coating with good thermal conductivity is comprised of copper.

7. A plate-shaped shearing knife according to Claim 1, further having grooves running in a cutting direction of the shearing knife in a region of glass contact.

8. A plate-shaped shearing knife according to Claim 1 wherein a side of the shearing knife has a 0.03 to 0.5 mm-deep recess that extends to a range of 1 to 8 mm from a tip of said cutting edge, and from there flares out conically to approximately said tip of said cutting edge.